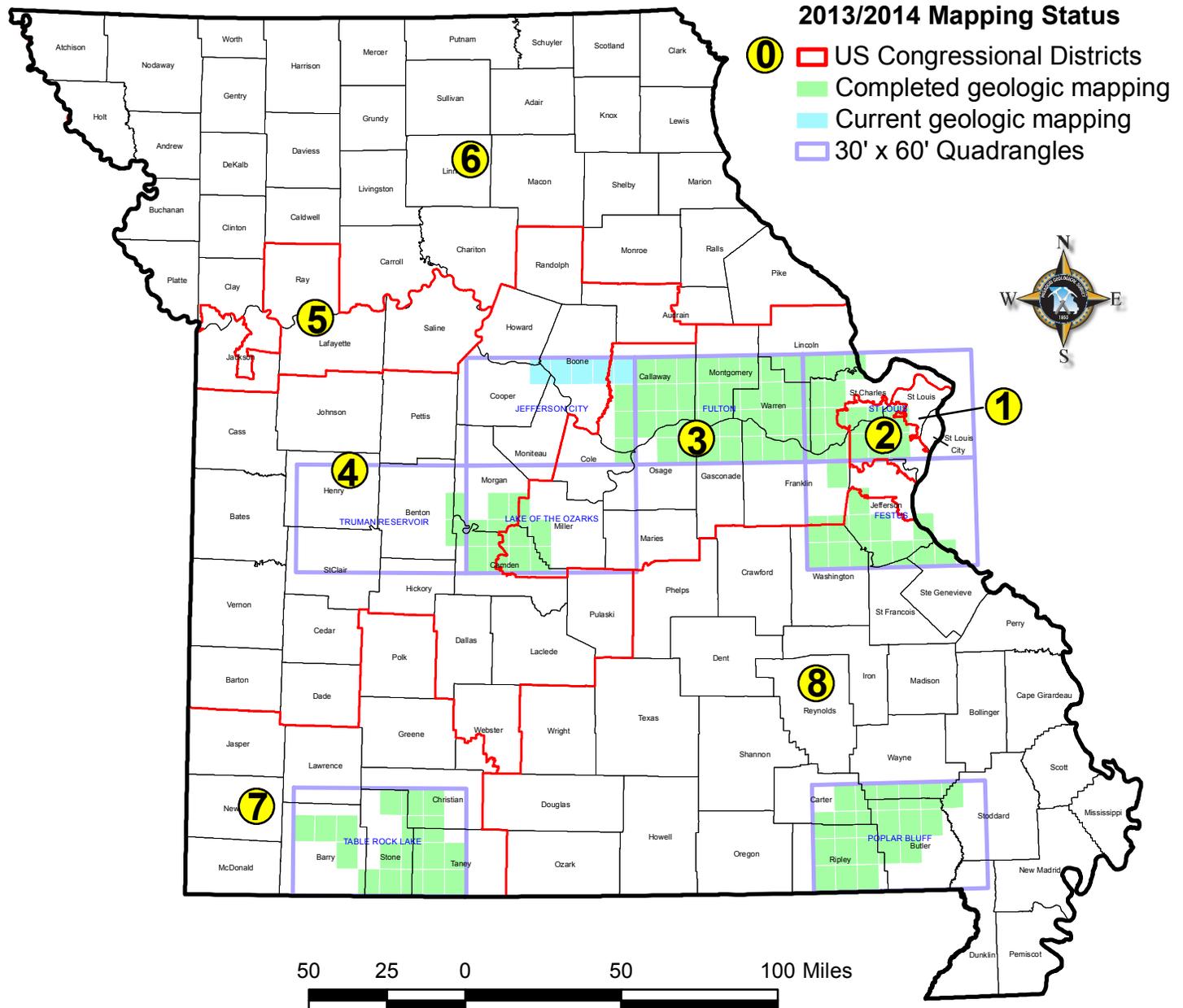




National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping

MISSOURI



Contact Information

Missouri Department of Natural Resources
Missouri Geological Survey
Director and State Geologist: Joe Gillman 573-368-2101
STATEMAP Contact: Cheryl Seeger 573-368-2184
www.dnr.mo.gov/geology/

United States Geological Survey
National Cooperative Geologic Mapping Program
Program Coordinator:
Peter T. Lyttle 703-648-6943
ncgmp.usgs.gov/

STATUS OF STATEMAP GEOLOGIC MAPPING PROGRAM IN MISSOURI 2012/2013

Year	Project Title	Federal Dollars	State Dollars	Project Dollars
93-98	Table Rock Lake Mapping Project: Purdy, McDowell, Lampe, Table Rock Dam, Viola, Garber, Reeds Spring, Branson, Hollister, Mincy, Forsyth, Shell Knob, Day, Highlandville, Hurley, Jenkins, Selmore and Spokane 7.5' quads	\$ 319,395	\$ 320,069	\$ 639,464
98-00	Poplar Bluff Mapping Project: Briar, Doniphan North, Doniphan South, Ellsinore, Fairdealing, Flatwoods, Grandin, Grandin Southwest, Harviell, Hendrickson, Hogan Hollow, Hunter, Oxly, Poplar Bluff, Poynor, Puxico, Rombauer, Stringtown, Wappapello and Williamsville 7.5' quads Table Rock Lake, Missouri, 30' x 60' quad compilation	202,545	239,224	441,769
00-02	Festus Mapping Project: Bloomsdale, Cedar Hill, Cyclone Hollow, Danby, De Soto, Ebo, Fletcher, Gray Summit, Halifax, Old Mines, Richwoods, Selma, Tiff and Vineland 7.5' quads Lake of the Ozarks Mapping Project: Bagnell, Barnumton, Bollinger Creek, Camdenton, Green Bay Terrace, Lake Ozark, Sunrise Beach and Toronto 7.5' Festus Digitizing Project: Belew Creek, Festus, Herculeaneum, House Springs, Lonedell, Maxville, Moselle, Oakville, Pacific, St. Clair and Valmeyer 7.5' quads Springfield, Missouri, 30' x 60' quad compilation	308,232	295,234	603,466
02-03	Fulton Mapping Project: Berger, Dissen, Fredericksburg, Gasconade, Hermann, Marthasville, Morrison, New Haven, Pershing, Swiss, Treloar and Washington West 7.5' quads Lake of the Ozarks Mapping Project: Boylers Mill, Gravois Mills, Knobby and Rocky Mount 7.5' quads	227,313	227,313	454,626
03-05	Fulton Mapping Project: Foristell, New Melle, Troy, Washington East, Warrenton, Wright City, Bellflower South, Hawk Point, Jonesburg, New Florence, Pinnacle Lake and Warrenton Northeast 7.5' quads	445,197	462,047	907,244
05-06	Fulton Mapping Project (bedrock mapping): Americus, Hawk Point, Montgomery City and Warrenton Northeast 7.5' quads; (surficial material mapping with drilling assistance): Americus and Montgomery City 7.5' quads St. Louis Mapping Project (surficial material mapping with existing data): Wentzville 7.5' quad	144,547	144,547	289,094
06-07	Fulton Mapping Project (bedrock and surficial material mapping): Fulton, Reads ville and Williamsburg 7.5' quads	118,308	118,308	236,616
07-08	Fulton Mapping Project (bedrock and surficial material mapping): Calwood, Kingdom City and Reform; (bedrock only): Mokane East 7.5' quads	132,603	146,053	278,656
08-09	Fulton Mapping Project (bedrock and surficial mapping): Luystown and Mokane West quads; (surficial only): Mokane East 7.5' quad	104,451	107,799	212,250
09-10	St. Louis Mapping Project (bedrock and surficial mapping): Eureka and Labadie; (surficial only): Chesterfield; (bedrock only): Weldon Spring	133,590	134,740	268,330
10-11	St. Louis Mapping Project (bedrock and surficial mapping): Maryknoll; (bedrock only): Wentzville; (surficial only) Winfield and Defiance 7.5' quads	124,754	132,800	257,554
11-12	St. Louis Mapping Project (bedrock and surficial mapping) Manchester; (bedrock only) Chesterfield, Creve Coeur, Kirkwood; Fulton, Missouri, 30'x60' quad compilation	151,739	169,356	321,095
12-13	Jefferson City Mapping Project (bedrock mapping): Osage City, New Bloomfield and Guthrie 7.5' quads	103,571	100,914	204,485
13-14	Jefferson City Mapping Project (bedrock mapping): Rocheport, Huntsdale, Columbia, Millersburg and Millersburg NE 7.5' quads; St. Louis, Missouri, 30'x60' quad compilation	134,667	143,709	278,376
	TOTALS	\$2,650,912	\$2,742,113	\$5,393,025

STATEMENT OF OUTCOME

The Missouri Geological Survey is an active participant in the STATEMAP component of the National Cooperative Geologic Mapping Program, having participated since STATEMAP's inception in 1993. Missouri recognizes the importance of geologic mapping as a tool for land-use planners, emergency-management officials, developers, environmental agencies, energy companies, mining companies, water-well drillers and many others who have need to understand the nature, composition and distribution of earth materials.

Several areas of rural Missouri have undergone rapid growth in recent years. The rapid development in the Branson, Springfield and Lake of the Ozarks regions taxes natural resources and potentially impacts environmental quality. Geologic mapping identifies geologically sensitive areas, such as karst areas that could be particularly susceptible to groundwater contamination. Geologic mapping has also been focused in portions of southeast Missouri where geologic hazards are associated with the New Madrid Seismic Zone. Mapping in the Poplar Bluff and Festus areas has been completed to optimize safe growth and minimize risks from sinkhole collapse, liquefaction and landslides associated with earthquake hazards. Mapping on the St. Louis, Fulton and Jefferson City project areas targets a region susceptible to geologic hazards and rapid population growth.

Since Missouri began its participation in the STATEMAP program, it has completed 111 bedrock and 97 surficial material maps at a scale of 1:24,000. During its fifteen-year involvement in the STATEMAP program, Missouri has received approximately \$2,516,245 in federal dollars that were matched with additional state funds. With continued cooperative effort between the United States Geological Survey and the Missouri Department of Natural Resources, the state will have reliable geologic mapping information to assist decision makers with difficult resource choices and planning efforts.